SHAIK SOHAIL HASAN

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TECHNICAL SKILLS

- **Languages:** Python, SQL, C, C++, Java, JavaScript, Dart, HTML, CSS
- **Frameworks & Libraries:** Hadoop, Apache Spark, PySpark, Pandas, NumPy, Seaborn, Matplotlib, TensorFlow, PyTorch, Keras, Flutter, Firebase, Bootstrap, ReactJS, NextJS, NodeJS, AEM, YOLOv5, OpenCV, GeoPandas, scikit-learn
- **Workflow Tools:** Docker, Git, GitHub, Trello, Jira, Azure DevOps, Roboflow
- **Development Tools:** Android Studio, Visual Studio Code, PyCharm, Jupyter, Google Colaboratory, IntelliJ IDEA, Postman, AWS, MatLab
- **General Tools:** Microsoft Office Suite, Google Workspace Suite, FIGMA
- **Data Visualization:** Tableau, PowerBI
- **Data Formats:** Parquet
- **Databases:** MongoDB

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers (PwC) **Dubai, UAE**

Software Development Engineer (Internship) *Jan 2022 – July 2022*

- Configured backend server and set CI/CD Pipelines using Azure DevOps for integration, collaboration, and efficiency.
- Created and maintained Docker images using Azure DevOps, streamlining development and deployment.
- Developed VisitSaudi website using ReactJS, NextJS, and TypeScript.
- Integrated APIs using Strapi CMS for scalable and customizable content APIs.
- Conducted quality assurance for PwC website projects, achieving 20% performance boosts and rectifying bugs.
- Utilized Miro Boards for streamlined workflow and user-persona mapping, enhancing website robustness.
- Conducted sprint planning (Agile Scrum) and client presentations, ensuring deadlines were met and budgets maintained.
- Crafted user personas and innovated features for the VisitSaudi website.
- Developed components using AEM with the OSGi Framework for the VisitSaudi website.
- Used Adobe Tools (Target, Launch, and Sensei) for enhanced marketing experiences with personalized recommendations.

Verofax Limited **Abu Dhabi, UAE**

Mobile and Web Development (Internship) *June 2021 – August 2021*

- Led the implementation of traceability solutions in the food supply chain using blockchain technology.
- Utilized Microsoft Whiteboard to create visual boards, wireframes, and workflow charts for project planning.
- Improved the company's web presence by resolving bugs, enhancing website performance by 70%, and implementing updates on WordPress.
- Integrated Oracle APIs to enhance functionality and data exchange in the Verofax mobile application.
- Developed and tested a mobile app in Flutter, adding new features and optimizing the codebase to reduce battery consumption by 25%.

PERSONAL AND ACADEMIC PROJECTS

Event Mapping

Mapbox, JavaScript, HTML, CSS, API

- Developed a dynamic, interactive map application using Mapbox GL JS, integrating real-time geolocation tracking with the Geolocation API and Mapbox Directions API for turn-by-turn navigation. The application dynamically

adds markers based on geospatial data, with custom popups displaying detailed information about the events such as name and local rankings etc.
- Leveraged JavaScript for map behavior, geolocation handling, and marker management, while using HTML and CSS for a responsive, user-friendly interface. This project demonstrates expertise in web mapping, geospatial data visualization, and front-end development with third-party API integration.

Crypto Exchange Website

ReactJS, JavaScript, HTML, CSS, ReactDOM

- Developed a portfolio and key generation application that showcases quantum random number generation for producing highly secure keys

EDUCATION

Master of Science in Professional Computer Science (Big Data) **Sep 2023 – Dec 2024**

Simon Fraser University (Burnaby Campus) *British Columbia, Canada*

- Cumulative GPA: 3.46

Bachelor of Engineering (BE) in Computer Science **Aug 2018 – Aug 2022**

Birla Institute of Technology And Science, Pilani (BITS Pilani) *Dubai, UAE*

- Cumulative GPA: 8.46
- Minor Specialization in Finance